


```
370 380 390 400 410 420 430
GRENFEILMLKESLELMELVLPQPLVDSYRQOQLLQRPSPHLPQPSYGPVLSPMNKVHGMNKLPSVNLV
GRENFEILMLKESLELMELVLPQPLVDSYRQOQLLQRPSPHLPQPSYGPVLSPMNKVHGMNKLPSVNLV
370 380 390 400 410 420 430
440 450 460 470 480 490 500
QPPHSSAAATPNLGPVPGMLNNHGHAVPANGEMSSSSHAQSMVSGSHCTPPPPYHADPSLYSFLTLGLGCPN
QPPHSSAAATPNLGPVPGMLNNHGHAVPANGEMSSSSHAQSMVSGSHCTPPPPYHADPSLYSFLTLGLGCPN
440 450 460 470 480 490 500
510 520 530 540 550 560 570
CIEFTSQGLQSIYHLQNLTIEDLGALKIPEQYRMTIWRGLQDLKQGHDYSTAQQLRSSNAATISIGSGE
CIEFTSQGLQSIYHLQNLTIEDLGALKIPEQYRMTIWRGLQDLKQGHDYSTAQQLRSSNAATISIGSGE
510 520 530 540 550 560 570
580 590 600 610 620 630 X
LQORVMEAVHFRVRRHTITIPNRGGPGGPDWADFGDLPDCKARKQPIKEEFTAEATH
LQORVMEAVHFRVRRHTITIPNRGGPGGPDWADFGDLPDCKARKQPIKEEFTAEATH
580 590 600 610 620 630 X
```

US-09-125-005-6 (1-636)
PCT-US99-14057-2 Sequence 2, Application PC/TUS9914057

Sequence 2, Application PC/TUS9914057

GENERAL INFORMATION:

APPLICANT: El-Delvy, Wafik

TITLE OF INVENTION: Compositions and Methods for Inducing Apoptosis in E6-Expressing

FILE REFERENCE: Penn K-1824

CURRENT APPLICATION NUMBER: PCT/US99/14057

CURRENT FILING DATE: 1999-06-23

EARLIER APPLICATION NUMBER: 60/090,526

EARLIER FILING DATE: 1998-06-24

NUMBER OF SEQ ID NOS: 3

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 2

LENGTH: 499

TYPE: PRT

ORGANISM: Homo sapiens

PUBLICATION INFORMATION:

AUTHORS: Raghad et al.,

TITLE: Monocellically expressed gene related to p53 at 1

JOURNAL: Cell

VOLUME: 90

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DATE: 1997-08-22

DATABASE ACCESSION NUMBER: Genbank Y11416

DATABASE ENTRY DATE: 1997-09-02

Initial Score = 492 Optimized Score = 494 Significance = -0.71
% Identity = 98% Matches = 494 Mismatches = 5
% Conservative Substitutions = 0

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X 10 20 30 40 50 60 70
MAQSTATSPDGGTTFEHLWSSLEPSTYFDLPQSSRGNNVVGVDSSMDVFLHGGMTTSYMAQFNLLSSTM
|||||
MAQSTATSPDGGTTFEHLWSSLEPSTYFDLPQSSRGNNVVGVDSSMDVFLHGGMTTSYMAQFNLLSSTM
X 10 20 30 40 50 60 70
```

```
80 90 100 110 120 130 140
DMSSRAASASPYTPHAAASVTHSPYAPQSPSTFTMTSPAPVIPSNTDYPGPHFVFTFOQSSTAKSATWTY
|||||
DMSSRAASASPYTPHAAASVTHSPYAPQSPSTFTMTSPAPVIPSNTDYPGPHFVFTFOQSSTAKSATWTY
80 90 100 110 120 130 140
```

```
150 160 170 180 190 200 210
SPLLKLYCQIAKTCPIQIKVSTPPPGTAIRAMPVYKKAHVTDVVKRCPNHELGRDFNEGOSAPASHLIR
```

```
|||||
SPLLKLYCQIAKTCPIQIKVSTPPPGTAIRAMPVYKKAHVTDVVKRCPNHELGRDFNEGOSAPASHLIR
150 160 170 180 190 200 210
220 230 240 250 260 270 280
VEGNNLSQYVDDPVTGRQSVVVPYEPQVGTFTTILYNFMCNSSCVGGMNRRPILIIITLEMRDGOVLGRR
VEGNNLSQYVDDPVTGRQSVVVPYEPQVGTFTTILYNFMCNSSCVGGMNRRPILIIITLEMRDGOVLGRR
220 230 240 250 260 270 280
290 300 310 320 330 340 350 360
SFEGRICACPRDRKKADEHDHYREQOALNESSAKNGAAKRAFKQSPPAVPALGAGVKKRRHGDEDTYLLQVR
SFEGRICACPRDRKKADEHDHYREQOALNESSAKNGAAKRAFKQSPPAVPALGAGVKKRRHGDEDTYLLQVR
290 300 310 320 330 340 350 360
370 380 390 400 410 420 430
GRENFEILMLKESLELMELVLPQPLVDSYRQOQLLQRPSPHLPQPSYGPVLSPMNKVHGMNKLPSVNLV
GRENFEILMLKESLELMELVLPQPLVDSYRQOQLLQRPSPHLPQPSYGPVLSPMNKVHGMNKLPSVNLV
370 380 390 400 410 420 430
440 450 460 470 480 490 500
QPPHSSAAATPNLGPVPGMLNNHGHAVPANGEMSSSSHAQSMVSGSHCTPPPPYHADPSLYSFLTLGLGCPN
QPPHSSAAATPNLGPVPGMLNNHGHAVPANGEMSSSSHAQSMVSGSHCTPPPPYHADPSLYSFLTLGLGCPN
440 450 460 470 480 490 500
510 520 530 540
CIEFTSQGLQSIYHLQNLTIEDLGALKIPEQYRMTIWRGLQDLK
```